



Be Sure to Exercise Your Right to Vote, Nov. 4

While voting early and often is often used as a nod to interesting voting patterns of the past...you do have the right to vote and you are encouraged to do so next Tuesday. Below is the listing of offices, both local and statewide, that will be on the ballot.

FAC Spotlight: Keeping Ghosts Out of the Machine

From the desk of Chief Information
Security Officer Katrina LeMay

U.S. Senator (one seat)
U.S. Representative
State Senator (even districts)
State Representative
Judge of the Court of Appeals
Lexington-Fayette Urban
County Council Member
Board of Education
(School Board) Member

Circuit Judge
District Judge
County Officers
Mayor
City Legislative Body Member
Louisville/Jefferson County
Metro Council Member (odd
districts)

Halloween brings to mind scary things that are merely figments of our imagination. In the digital world, however, there are many scary things that are not figments of our imagination, that we should in fact be worried about. Unfortunately threats in cyber space are real. One of the most important concerns is malware, short for malicious software. The volume of malware continues to surge, with ransomware infections increasing, malware now targeting mobile devices, and new strands of malware attempting to exploit vulnerabilities in aging automated teller machines (ATMs).

Beware of spooky spirits that can invade your machine and wreak havoc. Are you aware of the examples below? If not, please read and be sure to follow the tips for minimizing your risks.



Ransomware. Ransomware is designed to essentially hold your system hostage until you meet the hacker's demands. A popular version of ransomware currently circulating is CryptoWall, which infects a victim's machine and encrypts its data. The hacker alerts the victim that their files have been encrypted and directs the victim to pay a ransom by a certain date, otherwise the key necessary to decrypt the files will be destroyed.

Ghosts. In the cyber world we have Gh0st, an infamous piece of malware that is commonly used to remotely access a target and assume complete control. Some versions of Gh0st have the ability to activate the

camera and audio-recording functions of the infected machine if the machine has those features.

Zombies. Cyber zombies are real and are machines compromised with malware and controlled by a hacker. Zombies can send spam, launch denial-of-service attacks and infect other machines, becoming part of a large group of compromised computers being controlled remotely (known as botnets).

Mutations. This malware (known as polymorphic malware) morphs its code to constantly change its form. This mutating process keeps the malware from being detected by pattern-matching analysis tools.

Frankenstein. Continuing along the lines of the mutating software, the Frankenstein malware takes small pieces of software from trusted programs and stitches them together, making the resulting malware undetectable.

How Does Malware Get on Your Machine?

Tricks-n-Treats. Social engineering continues to be the path of least resistance to your data. These "tricks" often rely on establishing trust by purporting to be sourced from an individual or company you know and trust. The cyber criminal then

Minimize Your Risk of Computer Ghosts

Don't respond to unsolicited emails or telephone calls from unknown/untrusted source. Verify identity of individual claiming to represent an organization by contacting the organization directly.

Be wary of emails asking you to verify your information or provide sensitive information. Do not open attachments contained in a suspicious email.

Keep the software on your computers and devices up to date through regular patching. Use automatic update settings on your security software, operating system, and web browser.

Only install third-party applications from trusted sources.

Discuss security awareness best practices with your family, friends, colleagues and community.

That's Manufactured in Kentucky???

From Hot Pockets to bowling balls to engagement rings, Kentucky produces it all

Did you know Kentucky is home to the largest peanut butter production facility in the world? That's just one of thousands of products made in Kentucky.

While Kentucky is widely known for automobiles, bourbon and award-winning thoroughbreds, the Commonwealth is a melting pot for manufacturing.

Kentucky is home to more than 4,000 manufacturers, representing 220,000 jobs. Last year alone, more than 200 manufacturers announced new locations or expansions in the state. These projects are expected to create nearly 7,500 jobs and \$2.2 billion in new investment.

"From some of the world's most popular foods, to everyday household items to some of the ultimate symbols of luxury, Kentucky's manufacturing industry is extremely diverse," said Gov. Steve Beshear. "It's simply amazing how many products that improve our lives are made in the Commonwealth."

Whether well-known – or not so well-known – here are some of the more surprising products being manufactured statewide:

JIF: It takes 188 billion peanuts to produce the amount of peanut butter made at the JIF (J M Smucker) plant in Lexington.

Post-it Notes: Invented in 1968, America's familiar yellow "sticky note" is manufactured by the 3M Company in Cynthiana.

Bowling Balls: Ebonite bowling balls and equipment are manufactured in Hopkinsville.

Hot Pockets: The popular snack food is made by Nestle Prepared Foods in Mt. Sterling.



Houseboats: Designated as the "Houseboat Capital of the World," Kentucky is the birthplace of the first houseboat in 1953. Today, the boating industry contributes more than \$826 million a year to Kentucky's economy.

Tiffany engagement rings: Tiffany & Co., in Lexington, produces the classic six-prong engagement ring and other pieces of fine jewelry.

Truffles for the stars: Every guest attending the 86th Academy Awards received a box of truffles handmade by Art Eatables, a Kentucky Proud business in Louisville.

Professional sports equipment: Life Fitness, in Falmouth, is the premier athletic equipment manufacturer for all MLB and NFL teams, numerous NHL and NBA teams, many college athletics programs and the U.S. military.

Reynolds Wrap: All Reynolds Wrap aluminum foil is produced in Louisville, which is where it was founded in 1919.

Playing cards: The United States Playing Card Company, in Erlanger, produces and distributes the nation's favorite brands of playing cards, including Bee, Bicycle, Aviator and Hoyle.

Disco balls: 90 percent of all disco balls made in the U.S. are manufactured by Omega National Products in Louisville.

Ghosts, from Pg. 1

tries to entice you into viewing the "treat," whether it's a celebrity photo, the promise of a cash prize or some other lure. Phishing email messages have evolved from being full of easy-to-spot grammatical or spelling errors to appearing very credible, with a look and feel that closely matches a legitimate organization.

Poison. Hackers looking to target your machine know how to poison search results to get you to click on a site that hosts malware. Cyber criminals can sometimes deface legitimate websites by adding content that is designed to rank highly in search results, knowing the first returned sites are more likely to be clicked on directly.

**DON'T FORGET...
TIME FALLS
BACK THIS
WEEKEND.**



**This is also the perfect time to
change batteries in smoke alarms
and carbon monoxide detectors!**